

WHAT IS CLAIMED IS:

1. A method for capturing image and defect information from an image scanned from a medium, comprising the steps of:

5 transmitting visible light from a first light source through the medium to capture image and defect information by a sensor unit during every scan position; and
transmitting infrared light from a second light source through the medium to capture defect information by the sensor unit during every third scan position.

2. A method according to claim 1, further comprising the steps of:

10 aligning the sensor unit and/or the medium in a first alignment for transmitting visible light; and

aligning the sensor unit and/or the medium in a second alignment for transmitting infrared light.

3. A method according to claim 1, wherein visible light and infrared light are not transmitted simultaneously through the medium.

15 4. A method according to claim 1, wherein the medium comprises one of a film, a document, and a photograph.

5. A method according to claim 1, wherein the steps of transmitting visible light and infrared light through the medium occur during a first pass.

20 6. A method according to claim 1, wherein the step of transmitting visible light occurs during a first pass and the step of transmitting infrared light occurs during a second pass.

7. A method according to claim 1, wherein every scan position comprises three separate scan lines, each scan line associated with either a red, green, and blue channel of the sensor unit.

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8. A method for capturing image and defect information from an image scanned from a medium, comprising the steps of:

(1) alternatively transmitting visible light and infrared light through the medium for each scan line up to n lines;

(2) transmitting only visible light through the medium at each scan line for the next $2n$ scan lines after performing step (1); and

(3) repeating steps (1) and (2) until all image and detect information is captured.

9. A method according to claim 8, wherein n equals a pixel pitch multiplied by a sensor line pitch divided by a scanning rate.

10. A method for capturing image and defect information from an image scanned from a medium, comprising the steps of:

transmitting visible light from a first light source through the medium to capture image and defect information by a sensor unit during every scan position; and

transmitting infrared light from a second light source through the medium to capture defect information by the sensor unit during every scan position.

11. A method according to claim 10 further comprising the steps of:
aligning the sensor unit and/or the medium in a first alignment for transmitting visible light; and

aligning the sensor unit and/or the medium in a second alignment for transmitting infrared light.

12. A method according to claim 10, wherein visible light is transmitted through the medium before the infrared light is transmitted.

13. A method according to claim 10, wherein the medium comprises one of a film, a document, and a photograph.

14. A method according to claim 10, wherein the step of transmitting visible

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22. An apparatus according to claim 17, wherein the medium comprises one of a film, a document, and a photograph.

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